

WHAT IS CLAIMED IS:

1. A portable cargo loading/unloading ramp for freight trucks and the like comprising:

a first ramp section;

a second ramp section hingedly connected to said  
5 first ramp section;

a support leg assembly hingedly connected to at least one of the ramp sections and adapted to be moved between working and non-working positions of said ramp; and

a latch mechanism disposed on said support leg  
10 assembly and including a latch member mounted for movement for engagement with a catch mounted on said first ramp section for locking said support leg assembly in a working position and responsive to manipulation by an operator of said ramp to move to a position for unlatching said support  
15 leg assembly for rotation to a stored position.

2. The ramp set forth in Claim 1 including:

support rollers mounted on said first ramp section adjacent an end of said first ramp section opposite an end which is hingedly connected to said second ramp section.

3. The ramp set forth in Claim 1 including:

at least one manipulating handle disposed on said support leg assembly for grasping by an operator of said ramp to move said ramp between a stored position and a  
5 working position.

4. The ramp set forth in Claim 1 including:  
at least one manipulating handle disposed on said  
second ramp section for grasping by an operator of said ramp  
for moving said second ramp section between a folded  
5 position and a working position with respect to said first  
ramp section.

5. The ramp set forth in Claim 1 including:  
at least one manipulating handle supported on said  
first ramp section adjacent an end of said first ramp  
section opposite an end which is hingedly connected to said  
5 second ramp section for manipulating said first ramp section  
to move between a stored position and a working position.

6. The ramp set forth in Claim 5 wherein:  
said first ramp section includes manipulating  
handles mounted opposite each other on opposite sides of  
said first ramp section.

7. The ramp set forth in Claim 1 wherein:  
at least one of said ramp sections is formed by  
spaced apart, elongated, substantially parallel support  
rails and a plurality of deck plates disposed between said  
5 rails and secured thereto, respectively, to form said at  
least one ramp section.

8. The ramp set forth in Claim 7 wherein:  
said rails comprise opposed flanges, a web and a  
channel formed in said web for receiving opposite sides of  
said deck plates.

9. The ramp set forth in Claim 8 wherein:

said flanges of said rails are formed to have a continuous curved shape to facilitate manipulating said ramp by operating personnel.

10. The ramp set forth in Claim 1 wherein:

said support leg assembly includes rollers mounted on respective ones of two spaced apart support leg members interconnected to each other, a brake shoe mounted on  
5 respective ones of said support leg members and operable to be forcibly engaged with said rollers, respectively, to effect braking action thereon; and

brake actuator members operably connected to said brake shoe members, respectively, and engageable with cam  
10 means on said second ramp section to effect operation of said brake shoes to release forcible engagement with said rollers, respectively.

11. The ramp set forth in Claim 1 including:

ramp locating bosses disposed on said first ramp section adjacent one end thereof.

12. The ramp set forth in Claim 1 including:

spaced apart slides disposed on said second ramp section for engagement with a wall of a storage compartment during movement of said ramp therein.

13. A portable cargo loading/unloading ramp for freight trucks and the like comprising:

a first ramp section;

a second ramp section hingedly connected to said  
5 first ramp section;

a support leg assembly hingedly connected to at least one of the ramp sections and adapted to be moved between working and non-working positions of said ramp; and

manipulating handle means disposed on at least one  
10 of said ramp sections and said support leg assembly for manipulating said ramp between working and stored positions.

14. The ramp set forth in Claim 13 including:

support rollers mounted on said first ramp section adjacent an end of said first ramp section opposite an end which is hingedly connected to said second ramp section.

15. The ramp set forth in Claim 13 wherein:

said handle means comprises at least one manipulating handle disposed on said support leg assembly for grasping by an operator of said ramp to move said ramp  
5 between a stored position and a working position.

16. The ramp set forth in Claim 13 wherein:

said handle means comprises at least one manipulating handle disposed on said second ramp section for grasping by an operator of said ramp for moving said second  
5 ramp section between a folded position and a working position with respect to said first ramp section.

17. The ramp set forth in Claim 13 wherein:  
said handle means comprises at least one  
manipulating handle supported on said first ramp section  
adjacent an end of said first ramp section opposite an end  
5 which is hingedly connected to said second ramp section for  
manipulating said first ramp section to move between a  
stored position and a working position.

18. The ramp set forth in Claim 17 wherein:  
said first ramp section includes manipulating  
handles mounted opposite each other on opposite sides of  
said first ramp section.

19. The ramp set forth in Claim 13 including:  
ramp locating bosses disposed on said first ramp  
section adjacent one end thereof.

20. The ramp set forth in Claim 13 including:  
spaced apart slides disposed on said second ramp  
section for engagement with a wall of a storage compartment  
during movement of said ramp therein.

21. The ramp set forth in Claim 13 wherein:  
said support leg assembly includes rollers mounted  
on respective ones of two spaced apart support leg members  
interconnected to each other, a brake shoe mounted on  
5 respective ones of said support leg members and operable to  
be forcibly engaged with said rollers, respectively, to  
effect braking action thereon; and  
brake actuator members operably connected to said  
brake shoe members, respectively, and engageable with cam  
10 means on said second ramp section to effect operation of  
said brake shoes to release forcible engagement with said  
rollers, respectively.

22. A portable cargo loading/unloading ramp for freight trucks and the like comprising:

a first ramp section;

5 a second ramp section hingedly connected to said first ramp section; and

a support leg assembly hingedly connected to at least one of said ramp sections and adapted to be moved between working and non-working positions of said ramp, said support leg assembly including ground engaging rollers  
10 disposed thereon and roller brake mechanism responsive to movement of said second ramp section to apply braking forces to said rollers.

23. The ramp set forth in Claim 22 wherein:

said rollers are mounted on respective ones of two spaced apart support leg members, and said brake mechanism comprises a brake shoe mounted on respective ones of said  
5 support leg members and operable to be forcibly engaged with said rollers, respectively, to effect braking action thereon and brake actuator members operably connected to said brake shoe members, respectively, and engageable with cam means on said second ramp section to effect operation of said brake  
10 shoes to release forcible engagement with said rollers, respectively, in response to movement of said second ramp section with respect to said first ramp section.

24. The ramp set forth in Claim 23 wherein:

said support leg members comprise elongated tubular members, respectively, and said brake shoes and said brake actuator members are slidably mounted on said support  
5 leg members for movement between brake engaged and disengaged positions.

25. The ramp set forth in Claim 24 including:

spring means engaged with said brake actuator members for biasing said brake shoes into engagement with said rollers, respectively.